

INGWE

Precision-guided Missile



Ingwe (African for 'leopard') is a jam-resistant, beam-rider missile with a tandem warhead that will penetrate up to 1 000 mm of reactive armour. It is designed to operate with the minimum of logistics support, making it ideal for severe or isolated battle conditions. It is suitable for deployment by infantry, armoured and helicopter forces.

DENEL DYNAMICS

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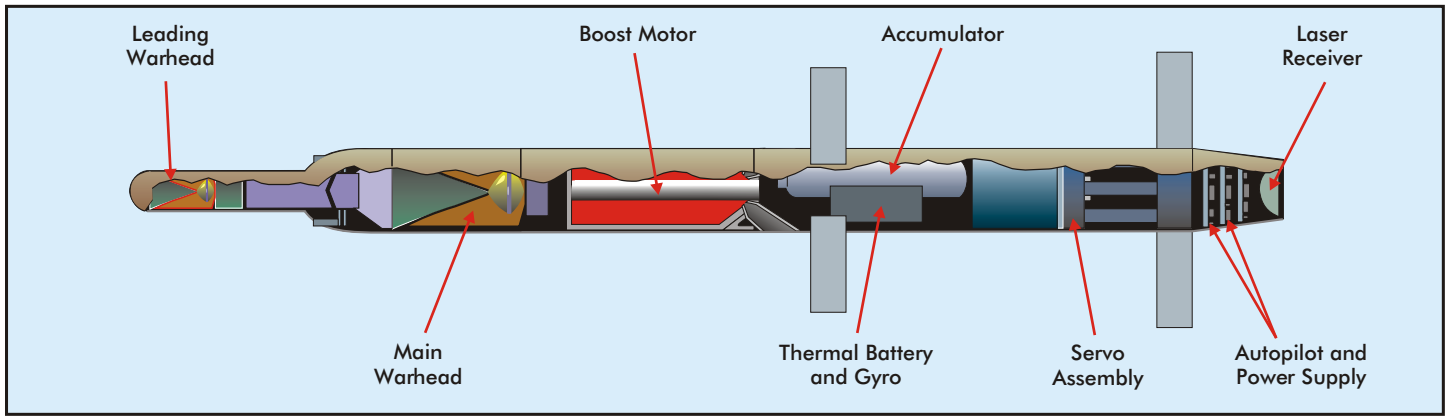


Photo: Courtesy Jane's



Actual Penetration in RHA

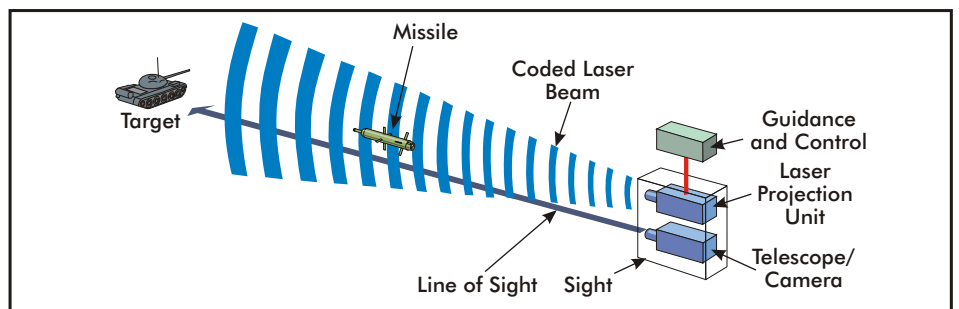
SYSTEM FEATURES

- Multi-purpose missile for use by infantry, armoured or helicopter forces against modern threats
- Crossfire capability from adjacent platforms
- High-speed launch from helicopter platforms
- Fire-on-the-move from land platforms
- High countermeasure resistance
- High-accuracy laser beam-riding guidance
- Short- and long-range application (250 m to 5 000 m)
- Easy to use, with automatic target tracking
- Low maintenance cost

PRINCIPLE OF OPERATION

Ingwe uses laser beam-riding guidance. The missile automatically determines its own position in the laser beam and manoeuvres onto the line of sight until the target is hit. The warhead ensures effective target neutralization.

The sighting system can vary from a non-stabilized optical sight for light vehicles to a more complex and integrated stabilized day/night sight for moving platforms such as helicopters. Automatic target-tracking modules can be added to ensure fully automatic missile guidance after target lock-on by the operator.



SYSTEM DESCRIPTION

The system is designed to ensure that it can be installed easily on most aircraft in either standard two- or four-missile configuration.

Electrical integration with aircraft avionics is achieved with standard serial communication interfaces.

Other platform options include heavy IFV turrets fitted with stabilized sighting systems, to light vehicle- and even tripod-mounted solutions.

TECHNICAL DATA

- Missile mass : 28,5 kg
- Missile diameter: 127 mm
- Missile length : 1 750 mm
- Penetration : up to 1 000 mm in RHA (with ERA)
- Range : 250 m to beyond 5 000 m

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